

information.

II. Claims 41-43, directed to detecting a presence of impulse burst by calculating time to frequency domain to frequency domain transform, find difference between observed pilot values and known values, calculating weight values, calculating carrier correction, subtracting the carrier correction values to estimate reproduction of desired signal.

Applicant provisionally elects for prosecution the invention of Species I (claims 1-40). However, Applicant believes that the Restriction Requirement is improper and therefore makes this election with traverse.

Applicant respectfully submits that, as stated in MPEP §803, for a restriction requirement to be proper “there are two criteria for restriction between patentably distinct inventions” as follows:

- (1) The inventions must be independent or distinct as claimed; and
- (2) There would be a serious burden on the examiner if restriction is not required.

Applicant respectfully submits that examination of the claims of Species II, in addition to the claims of Species I, would place no additional “serious” burden on the Examiner as examination of the claims of Species II would not require undue diverse searching beyond that which would be necessary for examination of the claims of Species I. Accordingly, Applicant respectfully submits that all groups of restricted claims are properly presented in the same application; undue diverse searching would not be required; and all claims should be examined together.

For at least the foregoing reasons, Applicant respectfully submits that the restriction

PATENT

Docket No: 1004289.198US

requirement should be withdrawn and that all claims should be examined on the merits.

AUTHORIZATION

The Commissioner is hereby authorized to charge any fees which may be required for this response, or credit any overpayment, to Deposit Account No. 504827, Order No. 1004289.198US.

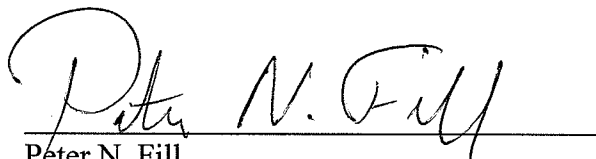
Furthermore, in the event that a further extension of time is required, the Commissioner is requested to grant a petition for that extension of time which is required to make this Response timely, and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to the above-noted Deposit Account and Order Number.

Respectfully submitted,

LOCKE LORD BISSELL & LIDDELL, LLP

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By:


Peter N. Fill
Registration No. 38,876

Mailing address:
LOCKE LORD BISSELL & LIDDELL, LLP
3 World Financial Center
New York, New York 10281-2101
(212) 415-8600
(212) 303-2754 (Fax)